

Montana DEQ Forest Fire Smoke Advisory

September 10, 2007

Daily Summary

Strong radiational inversions and continued smoke production from fires in the Flathead River drainages combined to produce a lot of smoke impacts in the Flathead Valley.

More smoke pushed into the western part of the state through the day producing unhealthy levels of smoke in several areas

A morning satellite photo centered on Great Falls is below:



This morning's analysis from NOAA's satellite services division shows the active fires in Montana and the smoke plumes combining and spreading downwind (the analyzed smoke is based on yesterday's satellite coverage, the fire detects are based on last night's satellite coverage).

No NOAA analysis today.

To identify individual fires on graphic above go here:

http://activefiremaps.fs.fed.us/lq_fire2.php

Here is a MODIS satellite photo taken at 2:18 pm.



Today's smoke report is below, comparing particulate levels where we have information to MDEQ's Forest Fire health advisory levels.

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DISCUSSION:

The advisories in the table below represent conditions for the 24 hour period from midnight to midnight

John Coefield

Meteorologist

Montana Department of Environmental Quality

Locations and severity of forest fire smoke reports for the date above at reporting stations.

Real time particulate information is currently available in most of the larger urban areas from several different sources including: DEQ run PM-10 BAMS and PM2.5 BAMS, CS&KT run PM-10 TEOMS, NWS ASOS visibility monitors, and USFS remote access Nephelometers and BAMS.

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HAZARDOUS	
VERY UNHEALTHY	
UNHEALTHY	Kalispell T24
UNHEALTHY FOR SENSITIVE GROUPS	Whitefish T24 Missoula T24 Butte T24 Helena T24
MODERATE	

T1(x)	One-hour TEOM or BAM value (number of values)
T8(x)	Eight-hour average TEOM or BAM value(number of values)
T24	24 hour average TEOM or BAM value
Vis(x)	Visibility value(number of hours)
Vis(am/pm)	Visibility value from twice/day reporting stations
(est)	estimate